Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/23/2022 08:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124299	-1	1.77	124138	1.78
Blue	F	SSC	125000	123083	-2	3.40	123623	3.35
Blue	E	FITC	15860	15449	-3	2.48	377	13.58
Blue	D	PE	27718	27194	-2	1.96	632	10.47
Blue	B	PerCP-Cy5-5	38046	37277	-3	3.20	1017	14.91
Blue	A	PE-Cy7	26092	25846	-1	5.04	505	30.41
Red	C	APC	49104	48305	-2	2.66	1702	11.37
Red	A	APC-Cy7	28201	27547	-3	3.03	724	11.98
Violet	B	V450	9904	9513	-4	3.43	532	12.20
Violet	A	V500	39004	37459	-4	2.99	982	9.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23991	2.27	565	-4	N/A	N/A	Pass
Blue	F	SSC	54993	2.01	521	-7	N/A	N/A	Pass
Blue	E	FITC	59	57.86	491	0	0.0537	307	Pass
Blue	D	PE	123	37.93	496	0	0.3925	279	Pass
Blue	B	PerCP-Cy5-5	139	45.85	588	-1	0.0201	106	Pass
Blue	A	PE-Cy7	64	95.55	631	-1	0.0223	9	Pass
Red	C	APC	328	25.90	577	-4	0.0277	109	Pass
Red	A	APC-Cy7	96	43.16	550	-5	0.0068	1487	Pass
Violet	B	V450	85	52.67	459	1	0.0480	2097	Pass
Violet	A	V500	123	38.59	470	1	0.0243	2281	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.87	-31.55	1.12
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.86	13.90 - 20.86	N/A	N/A	29.80	30.14	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 12045

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments